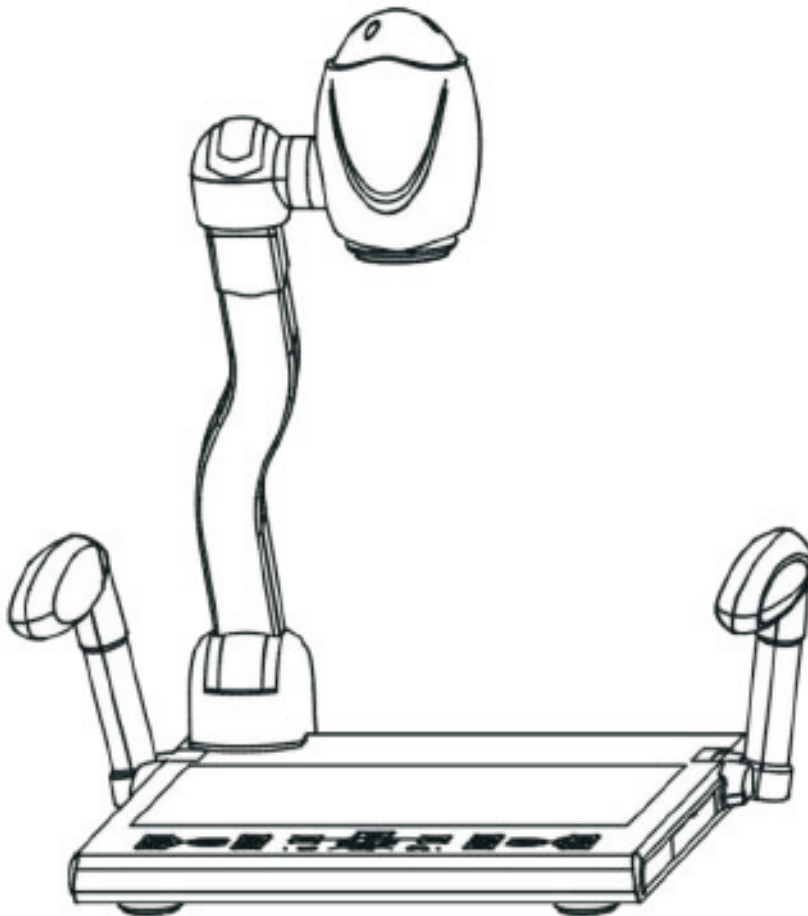


NewVission DIGITAL VISUALIZER

User Manual NV-1024



Pls read carefully before installation and keep reservation

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☆Safety Notice :

⚠ Warning: Pls don't let it in rain or put it into wet environment in order to prevent from fire breaking or leak of electricity. The visual presenter includes high voltage accessories and dangerous, so installing will fully and repairing spareparts are prohibited, just the professional can do these.

1. Before using, pls see power voltage and frequency same or not. To keep safe, users must be consciously that power socket should be three poles: L-line, N-line, G-line, and connect them in right way.
2. User must get G-line of all equipment's input and output ports through before turning power on, in order to avoid the unexpected damage caused by mute / high-voltage. Don't insert or pull out cables with electricity.
3. Pls don't rebuild visual presenter or use it without outer shell.
4. Pls don't drop something easy-fire, liquid or metal into, otherwise, will easily break the visual presenter or make troubles for visual presenter. Pls don't put something easy-fire or liquid on the table.
5. Don't take it in the environment of high tempreature, wetness, corrodible gas like acid oralkali, more-dust, and shakiness. Put it on special-steady desk , and don't put the visual presenter on unsteady tabletop or don't put 1KG things on the baselight table.
6. Pls clean it by dry cloth, and cut down electricity before cleaning, users also can not use liquid dilution, volatilised gasoline, insecticide or other chemistry solvent.
7. Pls pull power-plug out if long time no use.
8. Don't let children play visual presenter to prevent from electric-shock.
9. Pls turn off power immediately if there are some abnormal appearance (noise or smoking) and pull power-plug out.

☆ Featured Instruction :



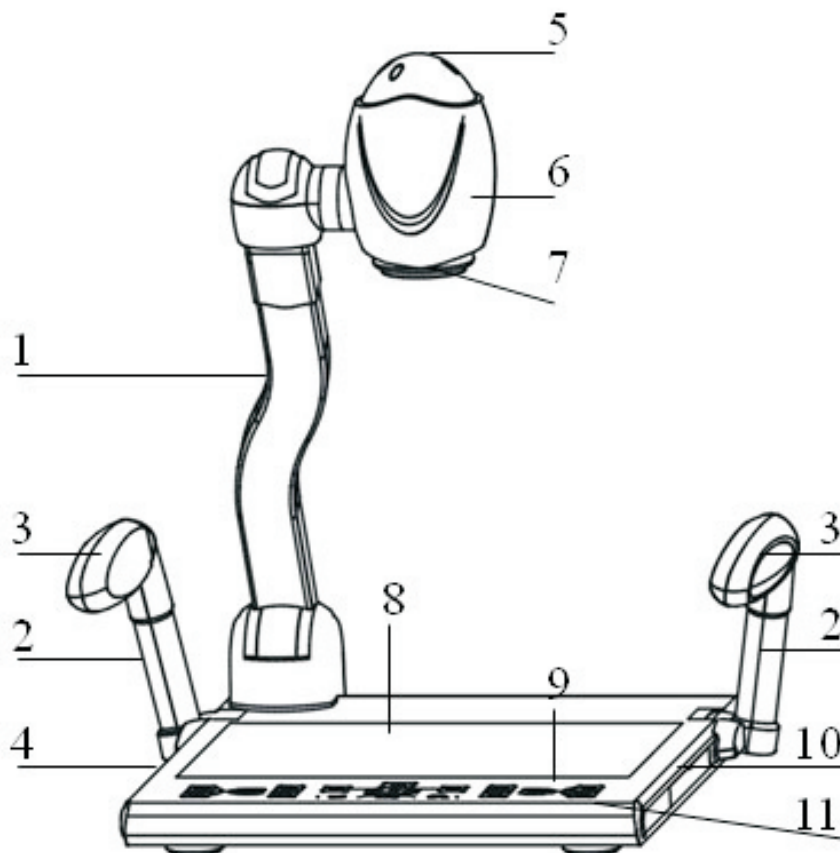
Welcome to use visual presenter. Pls read "Manual Operation Booklet" attentively before usage. We sincerely hope this booklet will bring convinience and skilled method to you.

- ☑ Japan and Korea Fashionable Outer Design with smooth line, combines fashion and creation;
- ☑ Special sensitive touch-key design, prevents dust and water from, may use for long(palent);
- ☑ Special drawer function, human-being design, may store remote controller, pick-up pens, pick-up stick and others into;
- ☑ All joints featured with no press damping design, easily operated;
- ☑ No need turn visual presenter on to get through: when PC signal comes to visual presenter, continually connect with monitor., and no need turn visual presenter on;
- ☑ VGA belt width 440MHz with long cable, image brightness and comparison can be improved up to 1/3, makes image more beautiful and clear;
- ☑ Put digital volume adjustment inner, make volume adjustment more easier (correct), can output original voice;
- ☑ Specially provide with ESD protection, won't break inner spareparts when pull out/plug into with electricity;
- ☑ Total zoom ≥ 80 , make the smallest letters and number bigger and clear to show;
- ☑ High Digital : image proceeds by professional video device, 850,000 high resolution, (1024x768) CMOS image signal with high clarity, shows in digital unit, image is extremely clear, no shining, no shaking, image steady, color elements deoxidized well, when capturing small and tiny B/W characters, there is no white edge, shaking, shinning and other problems can connect with projector directly, rear projector TV, or monitor RGB port, specially suitable for school's demonstration or B/W character teaching.

- ☑ Powerful image processing, freeze, color/B/W, Positive/Negative, mirror, brightness adjusted, rotate, image/text, comparison, image storage;
- ☑ Multi-input, multi-output, combine intelligently, switch multi-media to demonstrate;
- ☑ Camera can turn 350° vertically or horizontally
- ☑ methods of control: control panel, remote controller, RS-232, USB
- ☑ Microphone socket which can adjust volume can connect with cable or external microphone.

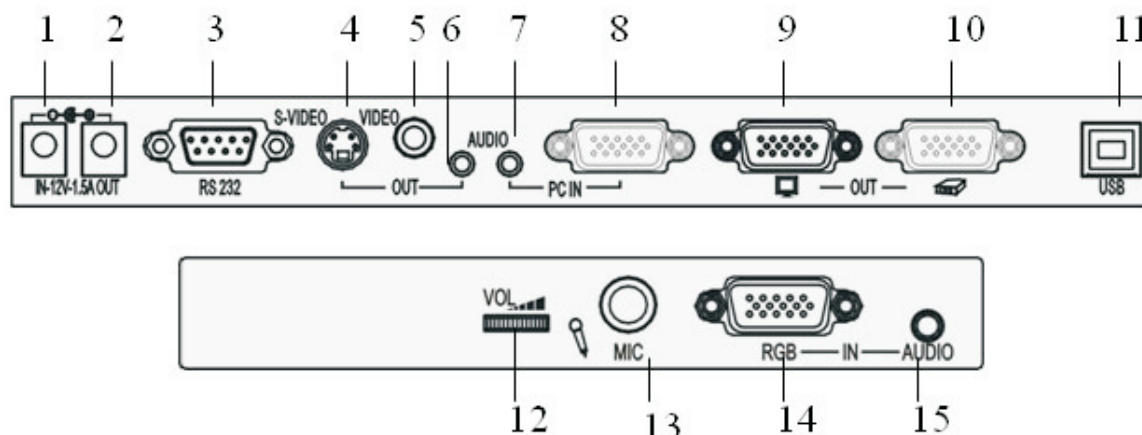
☆Struction & components :

●Whole Structure :



1.Main Pole; 2.Assistant lamp Arms; 3.assistant lamps; 4.drawer (once Push to rebound, twice push to recover. Attention: don't pull it out of the position with heavy strength); 5.Infrared Receiver Window; 6.Camera Outshell; 7.CameraCover; 8.Baselight; 9.Back Connections; 10.Side connections; 11.Control Panel.

●back/side connections :

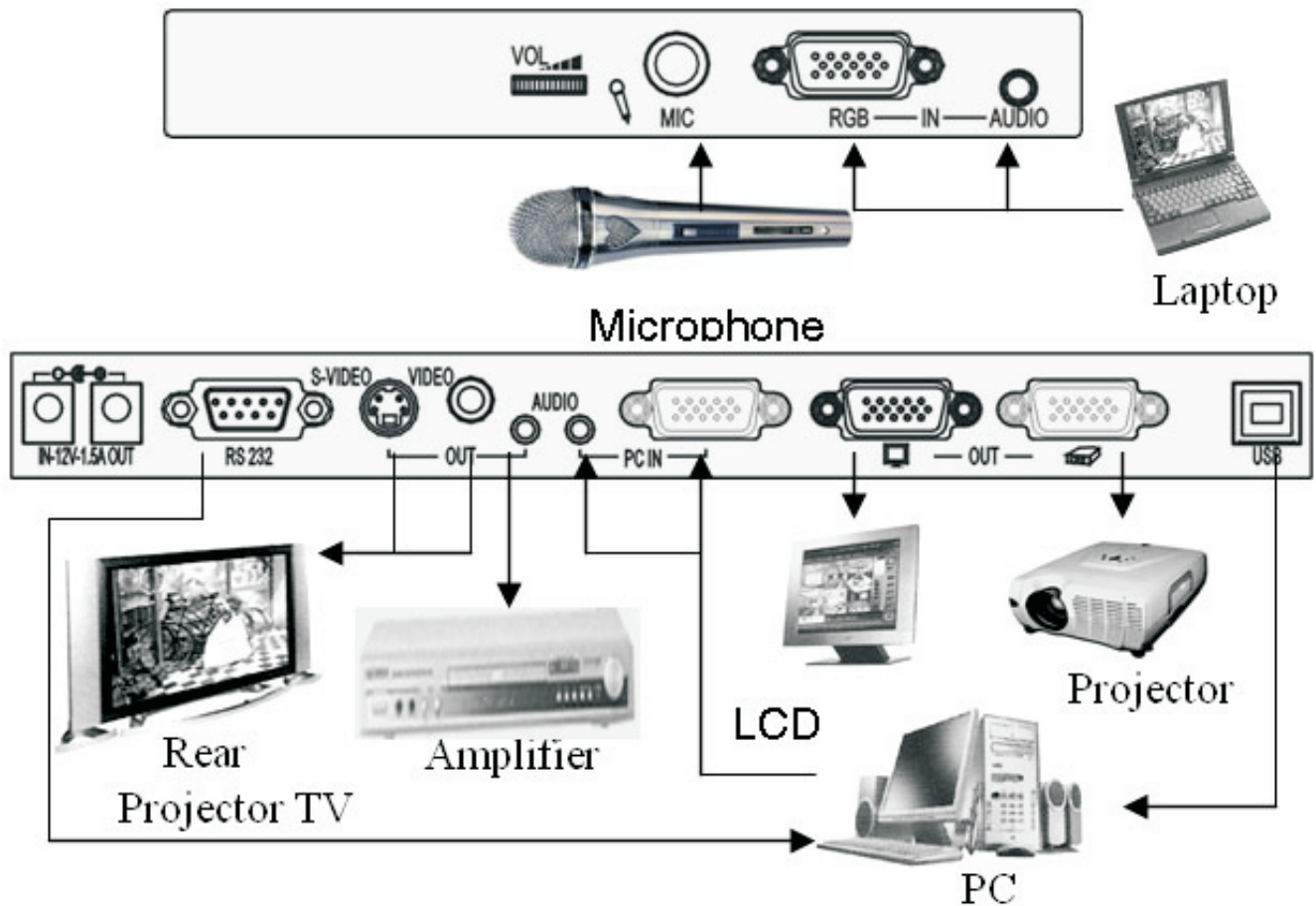


1.DC12V power input; 2.DC12V power output; 3.RS-232 controlling port, RS-232 multi-functioned cable connect to PC's COM port (If select central controller's spareparts, this port is used for RS-232 F/M cable); 4.S-VIDEO output port (selected); 5.Video Output Port (selected); 6.Stereo Output; 7.PC Stereo Input Port; 8.PC RGB input port; 9.Output port to Monitor; 10.Output port to Projector(or rear projector TV); 11.USB Port; 12.Microphone Volume Adjustment; 13.Microphone Plug; 14. RGB Input Port; 15.Stereo Input.

Note: pls check exact goods for the standard.

☆Connection Surroundings:

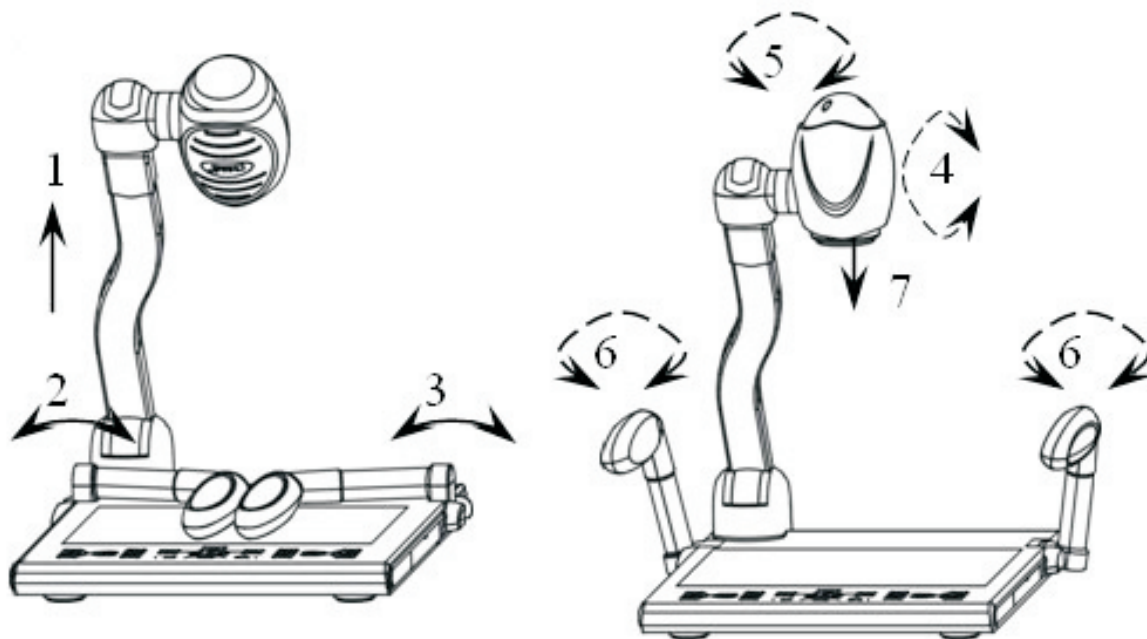
●Whole Connections :



Note: pls cut down Surrounding equipment's power before start operation.

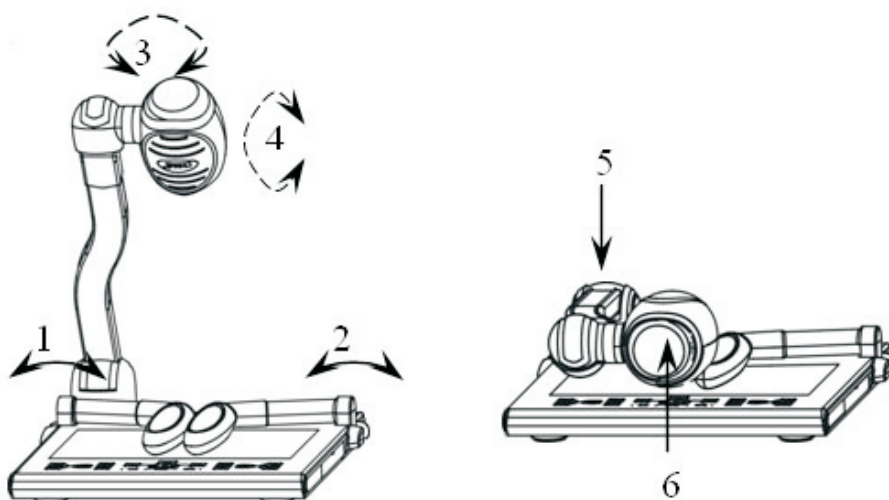
☆Basic Operations:

●Unfold Steps :



1.Lift the pole; 2.Lift assitant lamp to the left; 3.Lift assistant lamp to the right; 4.adjust Camera angle vertically; 5.adjust camera angle horizonally; 6.adjust assitant lamps' angle properly; 7.take Camera cover off(Note: Pls rotate it to the right, don't pull with heavy strength).

●Fold Steps :

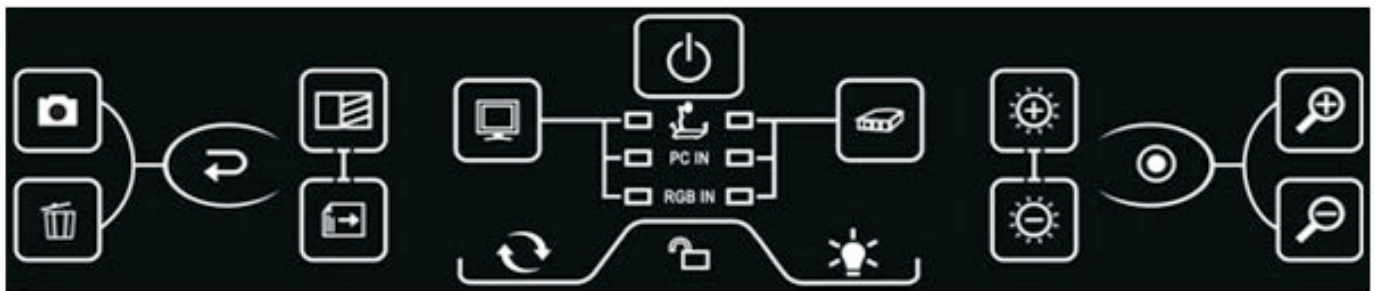


1.Press left assitant lamp arm down; 2.Press the right lamp arm down; 3.adjust Camera outershell horizonally to parallel with the pole; 4.adjust Camera outershell vertically to parallel with the pole; 5.put the pole down; 6.put Camera cover on (Note:don't rotate, cover it directly).

☆Methods of Usage:

.There are three methods of operation: 1. Control Panel 2. remote controller 3. control it through RS-232 Port supported by Computer's Window System. Three methods can be executed individually, and can be fixed up.

1. Control Panel: (Note:pls check exact goods for the standard.)



●System acquiesces the following:

It is into awaiting state when visualiser's power on ,and "  " light will be on, meanwhile it acquiesces PC output to monitor and projector, thus PC's monitor and projector's light will be on. Light of "volume+" and "volume-" will be on, at this time user can adjust volume. This visualiser adopts sensitive touch key, just touch it with finger to use, don't strike with heavy metal or heavy strength to

●Turn on:

After connections, press ,  and it turns from red shinning to red, means the visual presenter's power is on. When heard of "Bee" twice, users can start operation. Please try again to open projector when user found that projector's

- Turn off:

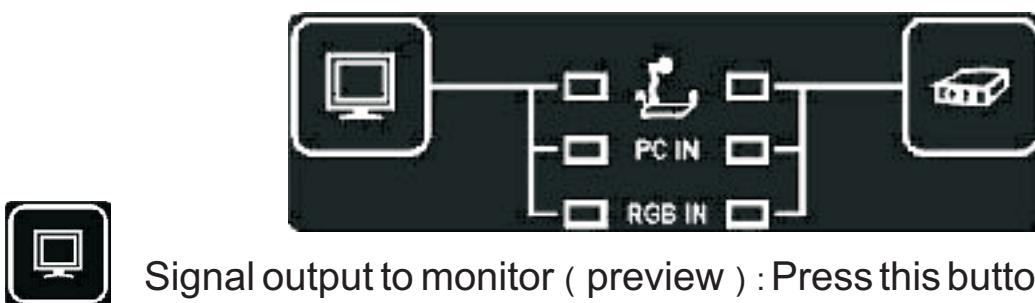
When turn off, press  2 seconds, after heard of a voice of “Bee”, this indicator will become from red shining to red, means get into state of waiting, and visual presenter has been turned off. If visual presenter has central controller function, when turn visual presenter off, press this button  2 seconds, after a voice of “Bee”, power indicator shines fastly, meanwhile visual presenter can not be controlled by any button. When power indicator gets into shining slowly, press  again to turn off projector. After 2 minutes of “Bee”, it is into state of waiting, at same time projector’s power has been cut down (delayed to turn off).

When it is into state of turning off, visual presenter will switch "PC IN" (PC’s signal) into monitor automatically. (It is get through without signal of turning on).

- Lamp Selection:

Press  button, users can turn on/off assistant lamps or baselight.

- Preview/shooting:



 Signal output to monitor (preview) : Press this button repeatedly to select visual presenter’s signal, PC signal, and RGB signal’s input. When select visual presenter’s signal, the indicator will become red (other two indicators will be off) ,when select PC signal input, the indicator will be on red (other two indicators will be off) ,when select RGB signal input, the indicator will be red (other two previewing indicators will be off) .



Signal output to projector(shooting): Press this button repeatedly to select visual presenter's signal, PC signal, and RGB signal's output. When it is into asynchronous state, please select visual presenter firstly, when PC and RGB signal output to monitor, press this button again, image will output to projector, meanwhile audio will output as followed, the indicator will become from shinning red to red.

- Focus adjustment:

Adjusting focus button can change the range of Camra camera, touching or pressing  on  or button,can magnify image or deflate image gradually or continually.



- Brightness adjustment:

Adjusting brightness can change the output brightness from Camra ,touching or pressing on  or  button can change the bightness, leting it go by hand will stop adjusting of brightness.



- Storage:

Pressing  button can store present image.

- Splitted Screen

Pressing  button can show storage of image in full screen or splited screen.



- Select Image:

When it is in the state of splited screen,pressing  button can recycle or delete images. Press one second for next image

- Recycle:

Pressing  button can recycle selected images.

- Delete Image:

When it is in the state of splited screen, pressing  button can delete selected images. Press one second for deleting stored images.

- Division:

Pressing  button can display the right part of the saved image on the splitted screen; pressing  button can change to another right part of the saved image.

- Auto Focus:

Pressing  button,the focus will adjusts itself automatically.

- Lock and Unlock:

Pressing  button“1”second can unlock.

Visual presenter acquiesces that it will unlock after 20 seconds automatically without any touching, at this time users can only operate indicated buttons, others should be unlocked before operation.

Note: visual presenter adopts indicator to guide operation and this human-nature design make operation more vividly.

2. Remote Controller:

Image	Function	Description
	POWER	Turn on/ Turn off, or decode projector's on
	LAMP	On / Off of light and baselight, or decode projector's off
	MONITOR	Output Signal to Monitor
	PROJECTOR	Output Signal to projector or TV
	ZOOM	Enlarge image
	ZOOM	Contract image
	VOLUME	Increase volume
	VOLUME	Reduce volume
	DIVISION	Freeze the left part of image,move and compare with right part of image
	B.W	W/B & Color of image
	ROTATE	Rotate image for angle of 90 or 180
	NEGATIVE	Show image in positive / negetive form
	FREEZE	Freeze the shooting image
	TEXT	Display picture in text/image form
	CAPTURE	Store the current image
	PREVIEW	Display images in splited form
	NEXT	Choose next picture to recycle or delete
	PLAYBACK	Display stored image fulfilled screen
	DELETE	Delete choosed picture in splited state
	SIGNAL	Choose signal 1 or 2(selected)

2. OSD Controller:

OSD menu operation: PICTURE, RGB, RESOLUTION and SYSTEM. Operate as shown below:

In the normal state, press *FOCUS* for 3 seconds to enter into the main menu, and then press *WIDE* or *TELE* button to enter into PICTURE, RGB, RESOLUTION or SYSTEM setup. After entering into the menu, press *WIDE* or *TELE* to select the option to be set up, and then press *Far* or *Near* to set up the detailed specification under each option.



Pressing "Tele" "Wide" to come to the image setting selection, pressing "Focus" to come to operation, pressing "Tele" "Wide" to select operation items needed, pressing "Far" "Near" to setup the selected items. After entering the image setting, which could setup the brightness, contrast, saturation and acutance.



After entering the color selection item, which could select the mode of beforehand default color, or select the user-defined mode, then come to the adjust of R-OFFSET, G-OFFSET and B-OFFSET



After entering to the system setting item, which could select the language. Pal ,NTSC and default setting could be choosed offered by TV mode .



After entering into the RESOLUTION page, you can set up the resolution.
4.PC RS-232:(it functioned same as remote controller, pls check attached disc).

☆ Daily Maintenance and Attention:



1. Pls don't turn on/off power frequently, in order not to shorten using time of Camera.
2. Lamps should not get on/off frequently and suddenly, in order to lengthen their lifetime.
3. Don't make Camera opposite to strong light, such as sunlight or sun.
4. Pls turn off power when users intend to move it, and pull plug out, let the pole down to move, and don't lift the pole or assistant lamp arms to move.
5. Pls don't rotate assistant lamps horizontally.
6. Press left/right lamps down without heavy strength.
7. Attention to get out of wetness when it is in wet condition, if user has found that can not focus clearly, don't touch Camera by hand, use special paper to clean. If necessary, short-sighted lens to make clearance.
8. Pls pull out power plug when long time unused, and cover with cloth or plastic things.
9. The valid time is 8 years, if for lasting time, pls send visual presenter to after-sale service or repaired center for checking.

☆ Problems and Solutions:

Image	Analysis and Solution
No image no sound	Check power cable, connect again
	Press power in to electricity
	Audio cable or RGB cable connected in wrong way, pls connect again.
	Input/output connect correctly or not?
	Camera cover has not been taken off
Image is not clear	Distance between things and Camera is too close, so can not focus normally, to adjust and make it more than 330mm.
	Surface of things are too brilliance or reflects, adjust light darker
	Camera is dirty Pls clean Camera or shortsighted lens underside
Noise-wave is exist	There is noise-wave exsited when enlarge image in extremely dark environment. Pls turn on assisted lamps
Image is too dark	Pls turn on assisted lamps
	Pls adjust brightness, increase brightness
Buttons on panel are invalid	Press two buttons synchronically or press too slowly, visualiser will be no reply. One time one button, make interval time longer when press two buttons
Remote controller no response	Confirm there is no other things between visualiser and remote controller to effect
	Confirm distance between visual presenter and remote controller is within 5M
	Pls check battery fine and in correct connection or used out yet?
Microphone no sound	Check audio cable is good and correct or not
	Check microphone work well or not
	Check volume of microphone is lowest or not

☆ **Attached list:**

	Name	Unit	Quantity
●	Control software (disc)	PC	1
●	Remote controller	PC	1
●	Adapter	PC	1
●	VGA cable	PC	1
●	RS-232 multi-functioned cable	PC	1
●	ø 3.5Audio cable	PC	1
●	Infrared shooting cable	PC	2
●	DB-9 (to projector's RS232 port)	SET	1
●	USB cable	PC	1

Technical Specification:

Specification		NV-1024
Technology		CMOS
Lens		F1.6~3.7, f3.9~85.8 mm
Shooting Area		210X297 mm (Landscape)
Zoom (Optical-Digital)		12X Optical + 8X Digital Zoom
Focus		Auto and Manual
Image Sensor		1/3" Image Sensor
Total Effective Pixels		850,000
Resolution		XGA (1024*768)
Image Rotation		180 Degree
Frame Rate		30 fps
Aspect Ratio		4:3
Images Memory		9 Images
Demonstration		
Aperture		Auto
White Balance		Auto/ Manual
Split Screen		Split Two Half Right/ Left
Image Effect		Color/BW, negative, mirror, text/ graphic, Brightness control, Freeze, electric Volume Control
Remote Effect		Infrared Remote Control
Camera Rotation		350 Degree horizontally and Vertically
Lighting System		
Top Lamp		LED lamps*2
Base Lamp		LED lamps
Input/ Output		
AV Input		Microphone Input*1 Audio frequency (stereo)*2
AV Output		Video*1 S-Video * 1 Audio frequency (stereo)*1

VGA Input	RGB*2 (3 routes matrix switch)
VGA Output	RGB*2 (Matrix output)
RS-232 Port	Provided
USB Port	Provided
Power	
Power Supply	DC 12V 1.5A
Power Source	100-240Volts 50-60HZ
Energy Consumption	<= 15W
Dimension/Weight	470*435*520mm
Setup	490*493*140mm
Fold	5 KGS

* Design and specifications are subject to change without prior notice.

Guangzhou Osoto Electronic Equipment Co., Ltd.

No. 301, Building G, Jingye No. 4 Street, Yushu Industry Park, Science town, Guangzhou, China

Made In China